SEQ ID NO:1 human interferon alpha 1 (GenBank 13128950)
MASPFALLMVLVVLSCKSSCSLGCDLPETHSLDNRRTLMLLAQMSRISPSSCLMDRHDFGF
PQEEFDGNQFQKAPAISVLHELIQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQLNDLEACV
MQEERVGETPLMNADSILAVKKYFRRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERL
RRKE

SEQ ID NO:2 human interferon alpha-2a (GenBank 2781226)
CDLPQTHSLGSRRTLMLLAQMRKISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMIQ
QIFNLFSTKDSSAAWDETLLDKFYTELYQQLNDLEACVIQGVGVTETPLMKEDSILAVRKYF
QRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE

SEQ ID NO:3 human interferon alpha-2b (GenBank 30171279)
MCDLPQTHSLGSRRTLMLLAQMRRISLFSCLKDRHDFGFPQEEFGNQFQKAETIPVLHEMI
QQIFNLFSTKDSSAAWDETLLDKFYTELYQQLNDLEACVIQGVGVTETPLMKEDSILAVRKY
FQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE

SEQ ID NO:4 human interferon alpha 4 (GenBank 10835103)
MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISHFSCLKDRHDFGFP
EEEFDGHQFQKAQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVI
QEVGVEETPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKRLR
RKD

SEQ ID NO:5 human interferon alpha 5 (GenBank 4504597)
MALPFVLLMALVVLNCKSICSLGCDLPQTHSLSNRRTLMIMAQMGRISPFSCLKDRHDFGFP
QEEFDGNQFQKAQAISVLHEMIQQTFNLFSTKDSSATWDETLLDKFYTELYQQLNDLEACM
MQEVGVEDTPLMNVDSILTVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSANLQERL
RRKE

SEQ ID NO:6 human interferon alpha 6 (GenBank 11128015)
MALPFALLMALVVLSCKSSCSLDCDLPQTHSLGHRRTMMLLAQMRRISLFSCLKDRHDFRF
PQEEFDGNQFQKAEAISVLHEVIQQTFNLFSTKDSSVAWDERLLDKLYTELYQQLNDLEAC
VMQEVWVGGTPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSSSRNLQE
RLRRKE

SEQ ID NO:7 human interferon alpha 7 (GenBank 10800142)
MARSFSLLMAVLVLSYKSICSLGCDLPQTHSLRNRRALILLAQMGRISPFSCLKDRHEFRFP
EEEFDGHQFQKTQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVI
QEVGVEETPLMNEDFILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSFSTNLKKGLR
RKD

SEQ ID NO:8 human interferon alpha 8 (GenBank 4504599)
MALTFYLMVALVVLSYKSFSSLGCDLPQTHSLGNRRALILLAQMRRISPFSCLKDRHDFEFP
QEEFDDKQFQKAQAISVLHEMIQQTFNLFSTKDSSAALDETLLDEFYIELDQQLNDLEVLCD
QEVGVIESPLMYEDSILAVRKYFQRITLYLTEKKYSSCAWEVVRAEIMRSFSLSINLQKRLKS
KE

FIG 1A

SEQ ID NO:9 human interferon alpha 10 (GenBank 4504589)
MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLGQMGRISPFSCLKDRHDFRIPQ
EEFDGNQFQKAQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVIQ
EVGVEETPLMNEDSILAVRKYFQRITLYLIERKYSPCAWEVVRAEIMRSLSFSTNLQKRLRRK
D

SEQ ID NO:10 human interferon alpha 13 (GenBank 13128966)
MASPFALLMALVVLSCKSSCSLGCDLPETHSLDNRRTLMLLAQMSRISPSSCLMDRHDFGF
PQEEFDGNQFQKAPAISVLHELIQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQLNDLEACV
MQEERVGETPLMNADSILAVKKYFRRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERL
RRKE

SEQ ID NO:11 human interferon alpha 14 (GenBank 4504591)
MALPFALMMALVVLSCKSSCSLGCNLSQTHSLNNRRTLMLMAQMRRISPFSCLKDRHDFE
FPQEEFDGNQFQKAQAISVLHEMMQQTFNLFSTKNSSAAWDETLLEKFYIELFQQMNDLEA
CVIQEVGVEETPLMNEDSILAVKKYFQRITLYLMEKKYSPCAWEVVRAEIMRSFSFSTNLQK
RLRRKD

SEQ ID NO:12 human interferon alpha 16 (GenBank 4504593)
MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISHFSCLKDRYDFGFP
QEVFDGNQFQKAQAISAFHEMIQQTFNLFSTKDSSAAWDETLLDKFYIELFQQLNDLEACVT
QEVGVEEIALMNEDSILAVRKYFQRITLYLMGKKYSPCAWEVVRAEIMRSFSFSTNLQKGLR
RKD

SEQ ID NO:13 human interferon alpha 17 (GenBank 10880985)
MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDFGLP
QEEFDGNQFQKTQAISVLHEMIQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNNLEACVI
QEVGMEETPLMNEDSILAVRKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKILR
RKD

SEQ ID NO:14 human interferon alpha 21 (4504595)
MALSFSLLMAVLVLSYKSICSLGCDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDFGFP
QEEFDGNQFQKAQAISVLHEMIQQTFNLFSTKDSSATWEQSLLEKFSTELNQQLNDMEACV
IQEVGVEETPLMNVDSILAVKKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSKIFQERLR
RKE

SEQ ID NO:15 human interferon beta (GenBank 124469), signal peptide deleted
MSYNLLGFLQRSSNFQCQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKR
YYGRILHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN

SEQ ID NO:16 human interferon kappa (GenBank 14488028)
MSTKPDMIQKCLWLEILMGIFIAGTLSLDCNLLNVHLRRVTWQNLRHLSSMSNSFPVECLRE
NIAFELPQEFLQYTQPMKRDIKKAFYEMSLQAFNIFSQHTFKYWKERHLKQIQIGLDQQAEY
LNQCLEEDENENEDMKEMKENEMKPSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEI
VRVEIRRCLYYFYKFTALFRRK

FIG 1B

SEQ ID NO:17 human interferon tau (GenBank 28882045)
MIIKHFFGTVLVLLASTTIFSLDLKLIIFQQRQVNQESLKLLNKLQTLSIQQCLPHRKNFLLPQK
SLSPQQYQKGHTLAILHEMLQQIFSLFRANISLDGWEENHTEKFLIQLHQQLEYLEALMGLE
AEKLSGTLGSDNLRLQVKMYFRRIHDYLENQDYSTCAWAIVQVEISRCLFFVFSLTEKLSKQ
GRPLNDMKQELTTEFRSPR

SEQ ID NO:18 human interferon omega (GenBank 4504605)
MALLFPLLAALVMTSYSPVGSLGCDLPQNHGLLSRNTLVLLHQMRRISPFLCLKDRRDFRFP
QEMVKGSQLQKAHVMSVLHEMLQQIFSLFHTERSSAAWNMTLLDQLHTGLHQQLQHLETC
LLQVVGEGESAGAISSPALTLRRYFQGIRVYLKEKKYSDCAWEVVRMEIMKSLFLSTNMQE
RLRSKDRDLGSS

SEQ ID NO:19 interferon beta variant #2 L5Q in C17S background
MSYNQLGFLQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKR
YYGRILHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN

SEQ ID NO:20 interferon beta variant #7 L5Q/F8E in C17S background
MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKLMSSLHLKR
YYGRILHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN

SEQ ID NO:21 interferon beta variant #15 L5Q/F8E/F111N in C17S background
MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKLMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN

SEQ ID NO:22 interferon beta variant #23 L5Q/F8E/L116E in C17S background
MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDFTRGKEMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN

SEQ ID NO:23 interferon beta variant #36 F8E/F111N/L116E in C17S background
MSYNLLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKEMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN

SEQ ID NO:24 interferon beta variant #39 L5Q/F8E/F111N/L116E in C17S background
MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQLQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKEMSSLHLK
RYYGRILHYLKAKEYSHCAWTIVRVEILRNFYFINRLTGYLRN

FIG._1C

SEQ ID NO:25 interferon beta variant #64 L5Q/F8E/L47K/F111N/L116E/L120R in C17S background
MSYNQLGELQRSSNFQSQKLLWQLNGRLEYCLKDRMNFDIPEEIKQKQQFQKEDAALTIYE
MLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLKTVLEEKLEKEDNTRGKEMSSRHLK
RYYGRILHYLKAKEYSHCAWTIVRVEI LRNFYFINRLTGYLRN

SEQ ID NO:26 interferon kappa variant #4_G7 V8N/W15R/Y48Q/M52N/F76S/Y78A/I89T
LDCNLLNNHLRRVTRQNLRHLSSMSNSFPVECLRENIAFELPQEFLQQTQPNKRDIKKAFYE
MSLQAFNIFSQHTSKAWKERHLKQIQTGLDQQAEYLNQCLEEDENENEDMKEMKENEMKP
SEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

SEQ ID NO:27 interferon kappa variant #46_E2
W15R/I37N/Y48Q/M52N/F76S/Y78A/I89T/ Y97D/V161A/C166A/Y168S/Y171T
LDCNLLNVHLRRVTRQNLRHLSSMSNSFPVECLRENNAFELPQEFLQQTQPNKRDIKKAFY
EMSLQAFNIFSQHTSKAWKERHLKQIQTGLDQQAEDLNQCLEEDENENEDMKEMKENEMK
PSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRAEIRRALSYFTKFTALFRRK

SEQ ID NO:28 interferon kappa variant #47_C4 W15R/F76S/Y78A
LDCNLLNVHLRRVTRQNLRHLSSMSNSFPVECLRENIAFELPQEFLQYTQPMKRDIKKAFYE
MSLQAFNIFSQHTSKAWKERHLKQIQIGLDQQAEYLNQCLEEDENENEDMKEMKENEMKP
SEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

SEQ ID NO:29 interferon kappa variant #23_C10 I37N/Y48Q/M52N/F76S/Y78A/Y97D
LDCNLLNVHLRRVTWQNLRHLSSMSNSFPVECLRENNAFELPQEFLQQTQPNKRDIKKAFY
EMSLQAFNIFSQHTSKAWKERHLKQIQIGLDQQAEDLNQCLEEDENENEDMKEMKENEMK
PSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

SEQ ID NO:30 interferon kappa variant #40_A10 W15R/I37N/F76S/Y78A
LDCNLLNVHLRRVTRQNLRHLSSMSNSFPVECLRENNAFELPQEFLQYTQPMKRDIKKAFY
EMSLQAFNIFSQHTSKAWKERHLKQIQIGLDQQAEYLNQCLEEDENENEDMKEMKENEMK
PSEARVPQLSSLELRRYFHRIDNFLKEKKYSDCAWEIVRVEIRRCLYYFYKFTALFRRK

FIG._1D

Seq. ID			
31	1: 24	CDLPETHSLDNRRTLMLLAQMSRISPSSCLMDRHDFGFPQEEFDGNQFQKAPAISVLHEL	83
32	2a: 2	CDLPQTHSLGSRRTLMLLAQMRKISLFSCLKDRHDFGFPQEEF-GNQFQKAETIPVLHEM	60
33	2b: 2	CDLPQTHSLGSRRTLMLLAQMRRISLFSCLKDRHDFGFPQEEF-GNQFQKAETIPVLHEM	60
34	4: 24	CDLPQTHSLGNRRALILLAQMGRISHFSCLKDRHDFGFPEEEFDGHQFQKAQAISVLHEM	83
35	5: 24	CDLPQTHSLSNRRTLMIMAQMGRISPFSCLKDRHDFGFPQEEFDGNQFQKAQAISVLHEM	83
36	6: 24	CDLPQTHSLGHRRTMMLLAQMRRISLFSCLKDRHDFRFPQEEFDGNQFQKAEAISVLHEV	83
37	7: 24	CDLPQTHSLRNRRALILLAQMGRISPFSCLKDRHEFRFPEEEFDGHQFQKTQAISVLHEM	83
38	8: 24	CDLPQTHSLGNRRALILLAQMRRISPFSCLKDRHDFEFPQEEFDDKQFQKAQAISVLHEM	83
39	10: 24	CDLPQTHSLGNRRALILLGQMGRISPFSCLKDRHDFRIPQEEFDGNQFQKAQAISVLHEM	83
40	13: 24	CDLPETHSLDNRRTLMLLAQMSRISPSSCLMDRHDFGFPQEEFDGNQFQKAPAISVLHEL	83
41	14: 24	CNLSQTHSLNNRRTLMLMAQMRRISPFSCLKDRHDFEFPQEEFDGNQFQKAQAISVLHEM	83
42	16: 24	CDLPQTHSLGNRRALILLAQMGRISHFSCLKDRYDFGFPQEVFDGNQFQKAQAISAFHEM	83
43	17: 24	CDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDFGLPQEEFDGNQFQKTQAISVLHEM	83
44	21: 24	CDLPQTHSLGNRRALILLAQMGRISPFSCLKDRHDFGFPQEEFDGNQFQKAQAISVLHEM	83
31	1: 84	IQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQLNDLEACVMQEERVGETPLMNADSILAV	143
32	2a: 61	IQQIFNLFSTKDSSAAWDETLLDKFYTELYQQLNDLEACVIQGVGVTETPLMKEDSILAV	120
33	2b: 61	IQQIFNLFSTKDSSAAWDETLLDKFYTELYQQLNDLEACVIQGVGVTETPLMKEDSILAV	120
34	4: 84	IQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVIQEVGVEETPLMNEDSILAV	143
35	5: 84	IQQTFNLFSTKDSSATWDETLLDKFYTELYQQLNDLEACMMQEVGVEDTPLMNVDSILTV	143
36	6: 84	IQQTFNLFSTKDSSVAWDERLLDKLYTELYQQLNDLEACVMQEVWVGGTPLMNEDSILAV	143
37	7: 84	IQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVIQEVGVEETPLMNEDFILAV	143
38	8: 84	IQQTFNLFSTKDSSAALDETLLDEFYIELDQQLNDLEVLCDQEVGVIESPLMYEDSILAV	143
39	10: 84	IQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNDLEACVIQEVGVEETPLMNEDSILAV	143
40	13: 84	IQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQLNDLEACVMQEERVGETPLMNADSILAV	143
41	14: 84	MQQTFNLFSTKNSSAAWDETLLEKFYIELFQQMNDLEACVIQEVGVEETPLMNEDSILAV	143
42	16: 84	IQQTFNLFSTKDSSAAWDETLLDKFYIELFQQLNDLEACVTQEVGVEEIALMNEDSILAV	143
43	17: 84	IQQTFNLFSTEDSSAAWEQSLLEKFSTELYQQLNNLEACVIQEVGMEETPLMNEDSILAV	143
44	21: 84	IQQTFNLFSTKDSSATWEQSLLEKFSTELNQQLNDMEACVIQEVGVEETPLMNVDSILAV	143
31	1: 144	KKYFRRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERLRRKE	189
32	2a: 121	RKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE	166
33	2b: 121	RKYFQRITLYLKEKKYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE	166
34	4: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKRLRRKD	189
35	5: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSANLQERLRRKE	189
36	6: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSSSRNLQERLRRKE	189
37	7: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSFSTNLKKGLRRKD	189
38	8: 144	RKYFQRITLYLTEKKYSSCAWEVVRAEIMRSFSLSINLQKRLKSKE	189
39	10: 144	RKYFQRITLYLIERKYSPCAWEVVRAEIMRSLSFSTNLQKRLRRKD	189
40	13: 144	KKYFRRITLYLTEKKYSPCAWEVVRAEIMRSLSLSTNLQERLRRKE	189
41	14: 144	KKYFQRITLYLMEKKYSPCAWEVVRAEIMRSFSFSTNLQKRLRRKD	189
42	16: 144	RKYFQRITLYLMGKKYSPCAWEVVRAEIMRSFSFSTNLQKGLRRKD	189
43	17: 144	RKYFQRITLYLTEKKYSPCAWEVVRAEIMRSLSFSTNLQKILRRKD	189
44	21: 144	KKYFQRITLYLTEKKYSPCAWEVVRAEIMRSFSLSKIFQERLRRKE	189

Seq. ID		
45	IFNK:	ldcnllnvhlrrvtwqnlrhlssmsnsfpveclreniafelpqeflqytq
46	1AU1:	MSYNLLGFLQRSSNFQCQKLLWQLNGRLEY-CLKDRMNFDIPEEIKQLQQ
47	1B5L:	CYLSRKLMLDAR-ENLKLLDRMNRLSPHSCLQDRKDFGLPQEMVEGDQ
48	1ITF:	CDLPQTHSLGSR-RTLMLLAQMRKISLFSCLKDRHDFGFPQE-EFGNQ
45	IFNK:	pmkrdikkafyemslqafnifsqht--fkywkerhkqiqigldqqaeyln
46	1AU1:	FQKEDAALTIYEMLQNIFAIFRQDSSSTGWNETIVENLLANVYHQINHLK
47	1B5L:	LQKDQAFPVLYEMLQQSFNLFYTEHSSAAWDTTLLEQLCTGLQQQLDHLD
48	1ITF:	FQKAETIPVLHEMIQQIFNLFSTKDSSAAWDETLLDKFYTELYQQLNDLE
45	IFNK:	qcleedenenedmkemkenemkpsearvpqlsslelrryfhridnflkek
46	1AU1:	TV----------LEEKLEKEDFTRGKLMSSLHLKRYYGRILHYLKAK
47	1B5L:	TC----------RG|MDPIVTVKKYFQGIYDYLQEK
48	1ITF:	AC----------VIQGVGVTETPLMKEDSILAVRKYFQRITLYLKEK
45	IFNK:	kysdcaweivrveirrclyyfykftalfrrk
46	1AU1:	EYSHCAWTIVRVEILRNFYFINRLTGYLRN
47	1B5L:	GYSDCAWEIVRVEMMRALTVSTTLQKRLTK
48	1ITF:	KYSPCAWEVVRAEIMRSFSLSTNLQESLRSKE

FIG._3

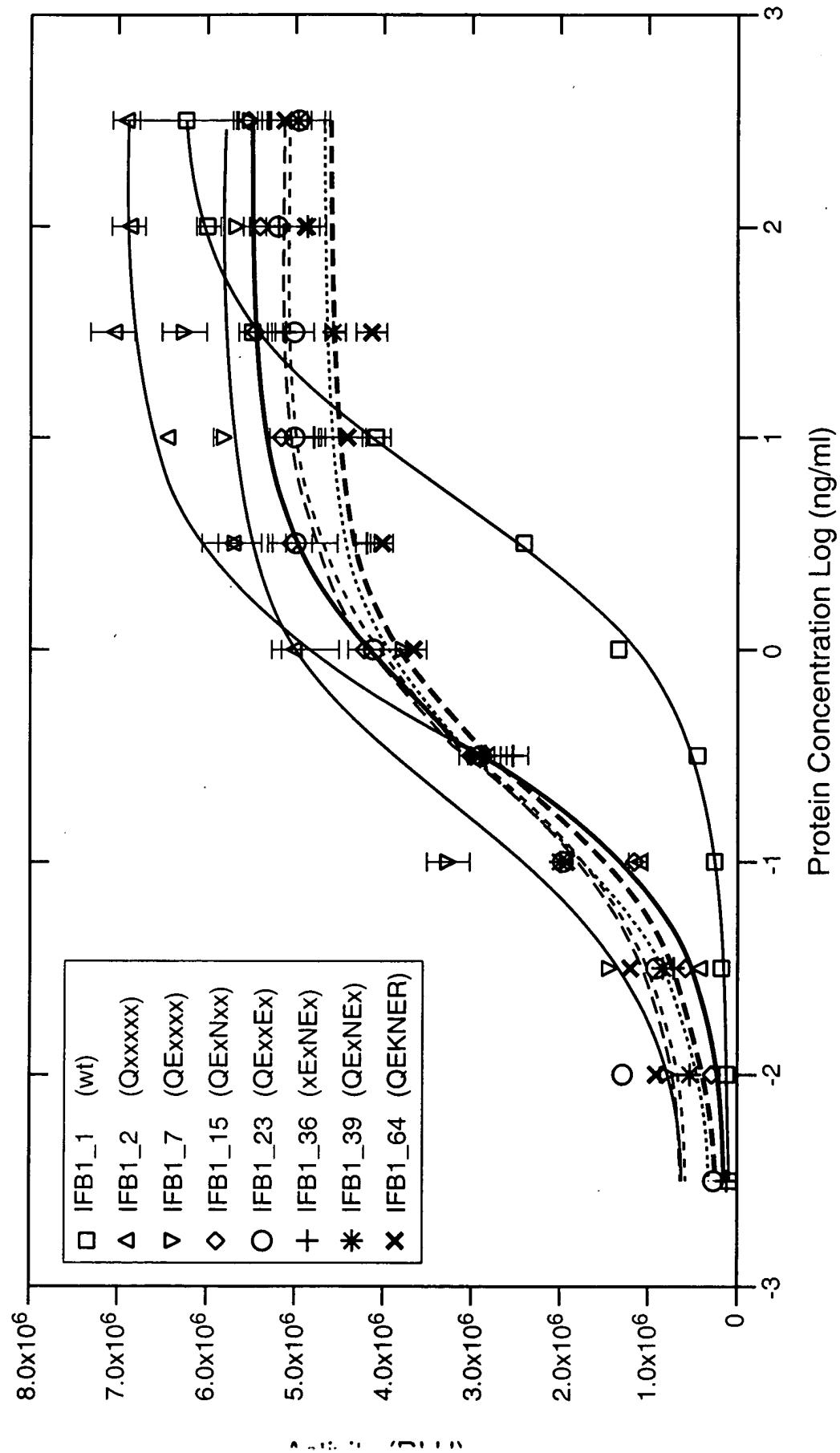


FIG._4

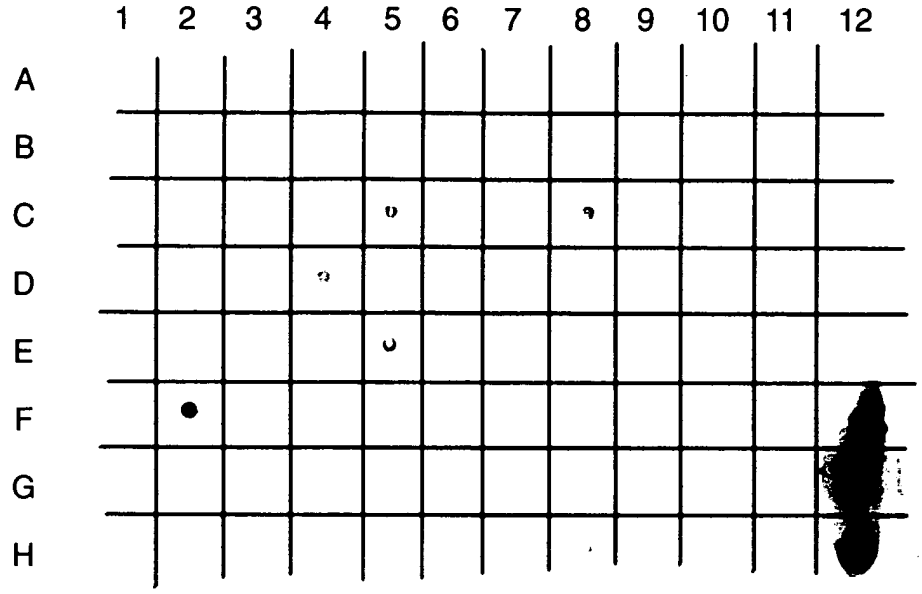


FIG._5

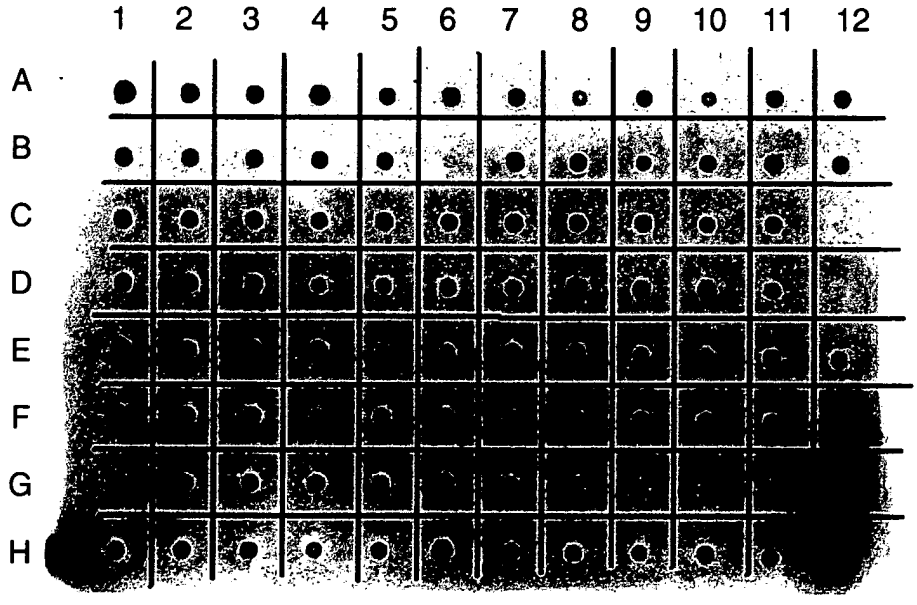
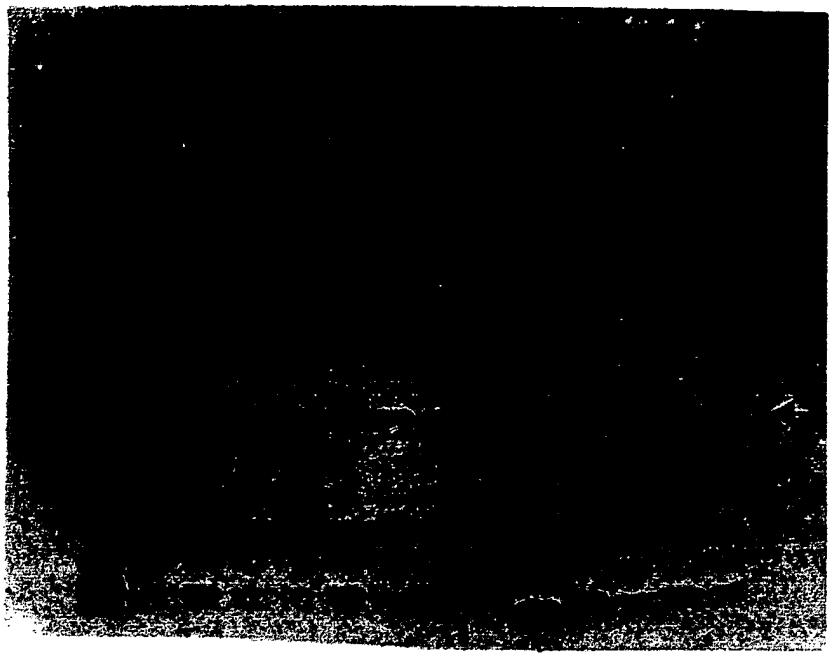


FIG._6

IK1 Retest Plate #1
Western #3



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

FIG._7

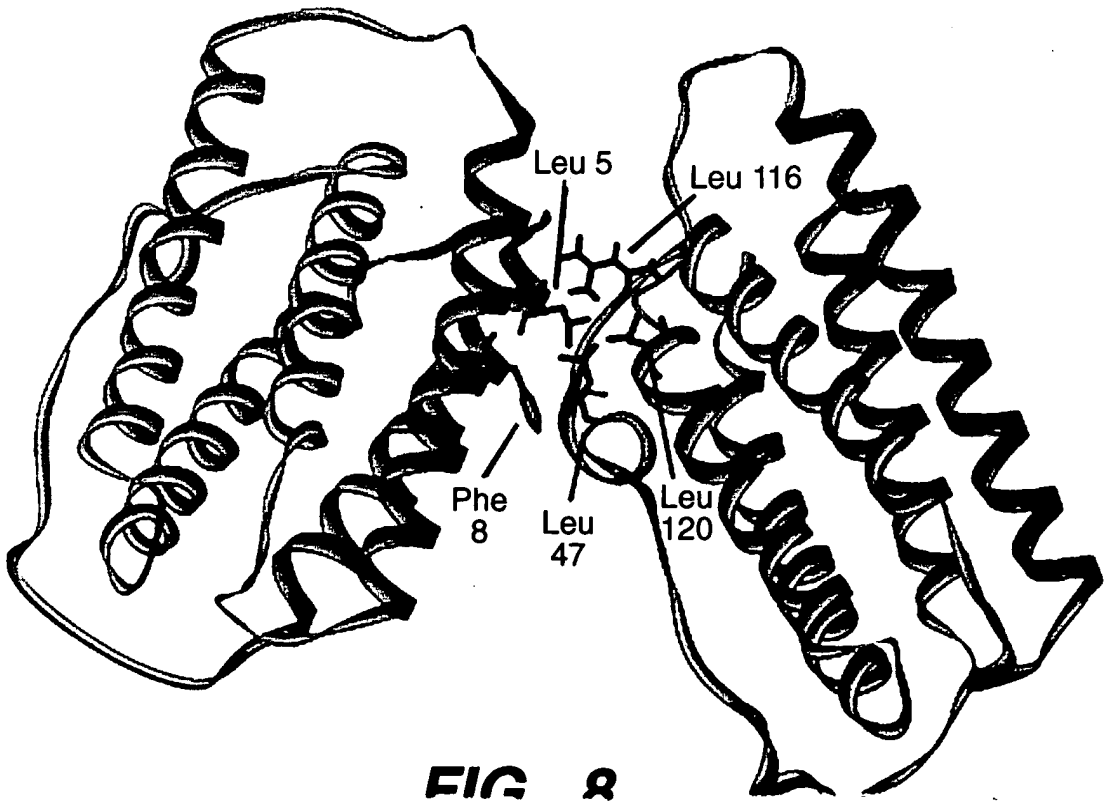


FIG. 8

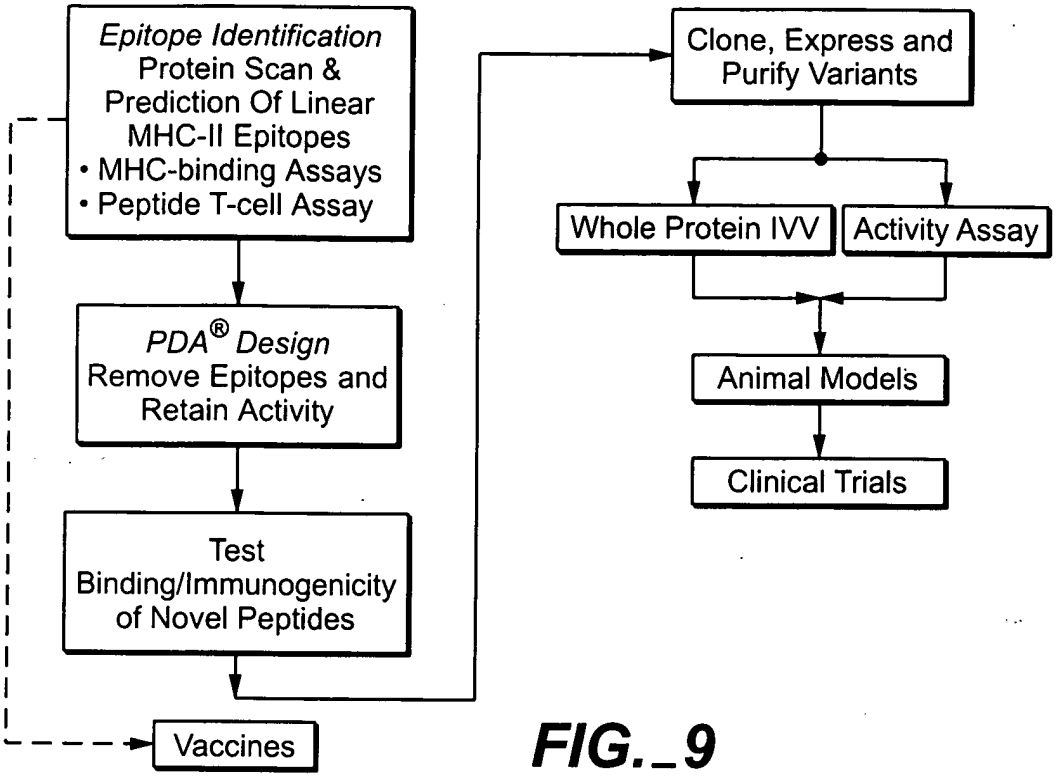

Epitope Identification
Protein Scan &
Prediction Of Linear
MHC-II Epitopes
• MHC-binding Assays
• Peptide T-cell Assay
PDA® Design
Remove Epitopes and
Retain Activity
Test
Binding/Immunogenicity
of Novel Peptides
Vaccines
Clone, Express and
Purify Variants
Whole Protein IVV
Activity Assay
Animal Models
Clinical Trials

FIG._9

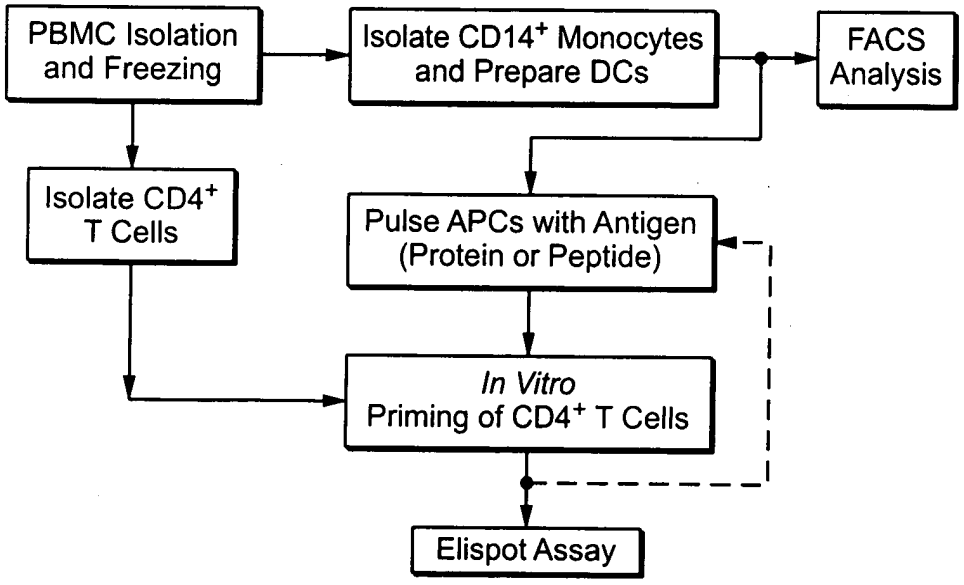

PBMC Isolation
and Freezing
Isolate CD14+ Monocytes
and Prepare DCs
FACS
Analysis
Isolate CD4+
T Cells
Pulse APCs with Antigen
(Protein or Peptide)
In Vitro
Priming of CD4+ T Cells
Elispot Assay

FIG._10

Count Rate (Kcps): 39	Measurement Position (mm): 4.20
Measurement Duration(s): 140	Attenuation Index: 11

Z-Average Size (nm): 17.82	Peak 1 Mean: 10.95	% (Intensity): 75	Width: 2.557
Polydispersity Index: 0.205	Peak 2 Mean: 389.5	% (Intensity): 15	Width: 117.6
	Peak 3 Mean: 1937	% (Intensity): 9	Width: 424.8

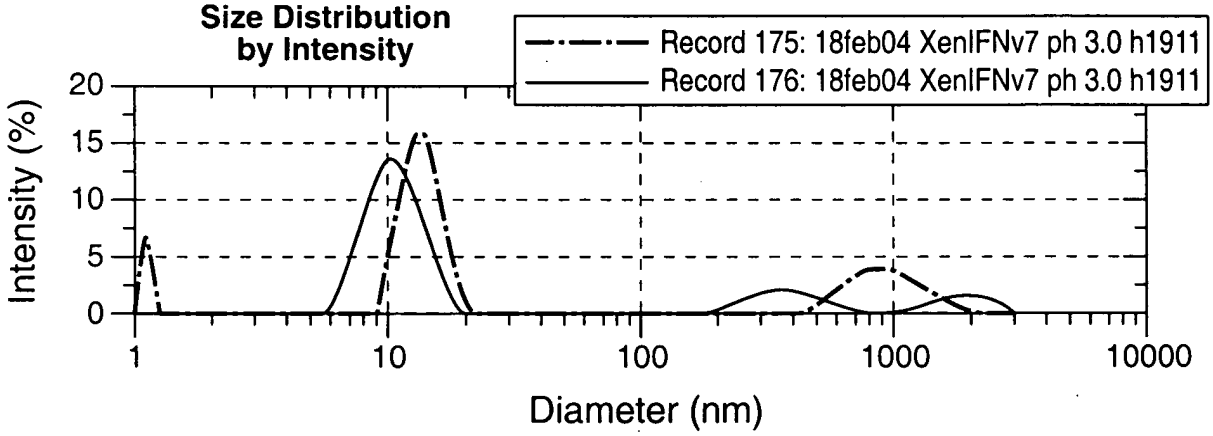


FIG._11A

Count Rate (Kcps): 99	Measurement Position (mm): 4.20
Measurement Duration(s): 100	Attenuation Index: 11

Z-Average Size (nm): 83.88	Peak 1 Mean: 10.73	% (Intensity): 9	Width: 1.176
Polydispersity Index: 0.513	Peak 2 Mean: 64.84	% (Intensity): 31	Width: 15.05
	Peak 3 Mean: 211.1	% (Intensity): 54	Width: 58.65

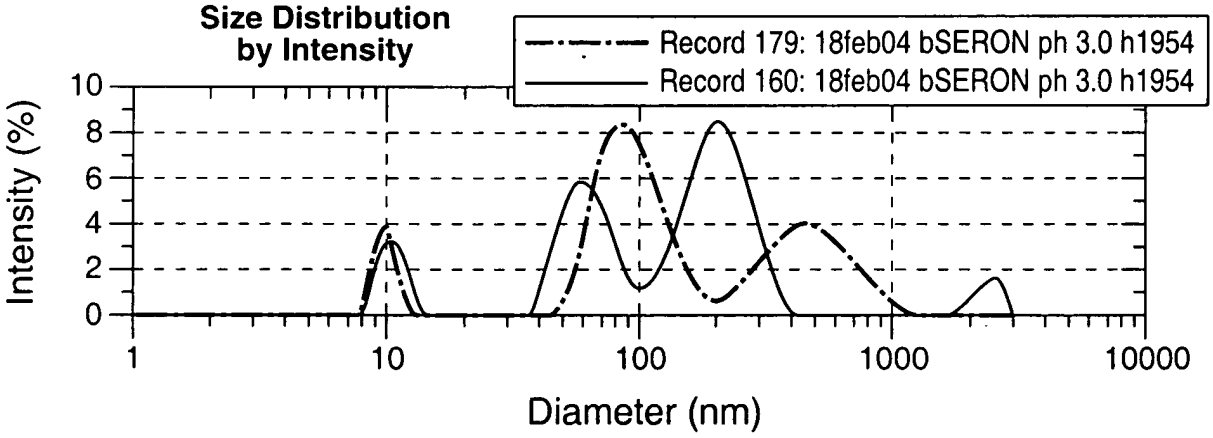


FIG._11B

Count Rate (Kcps): 42	Measurement Position (mm): 4.20
Measurement Duration(s): 160	Attenuation Index: 11

Z-Average Size (nm): 27.06	Peak 1 Mean: 7.29	% (Intensity): 45	Width: 1.088
Polydispersity Index: 0.515	Peak 2 Mean: 144.6	% (Intensity): 34	Width: 37.32
	Peak 3 Mean: 1561	% (Intensity): 19	Width: 486.5

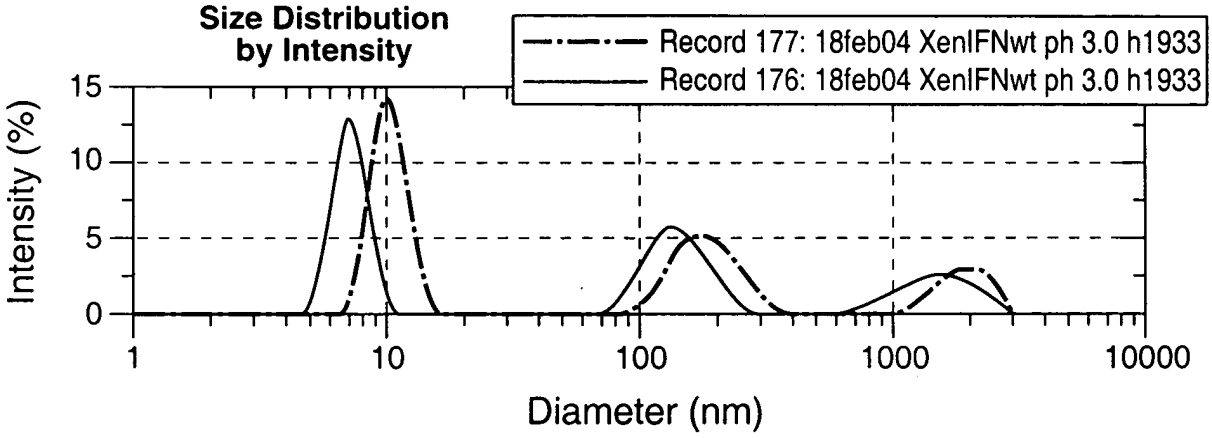


FIG._11C

Count Rate (Kcps): 149	Measurement Position (mm): 4.20
Measurement Duration(s): 80	Attenuation Index: 11

Z-Average Size (nm): 33.52	Peak 1 Mean: 38.36	% (Intensity): 95	Width: 16.62
Polydispersity Index: 0.215	Peak 2 Mean: 2135	% (Intensity): 4	Width: 363.6
	Peak 3 Mean: 0	% (Intensity): 0	Width: 0

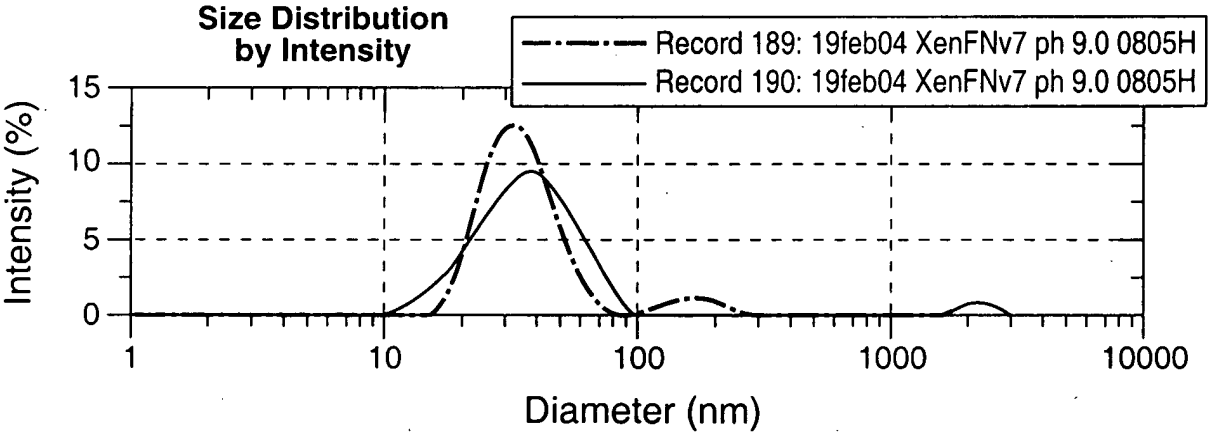


FIG._12A

Count Rate (Kcps): 141	Measurement Position (mm): 4.20
Measurement Duration(s): 80	Attenuation Index: 11

Z-Average Size (nm): 43.57	Peak 1 Mean: 26.57	% (Intensity): 45	Width: 4.857
Polydispersity Index: 0.327	Peak 2 Mean: 88.23	% (Intensity): 50	Width: 20.09
	Peak 3 Mean: 2358	% (Intensity): 4	Width: 273

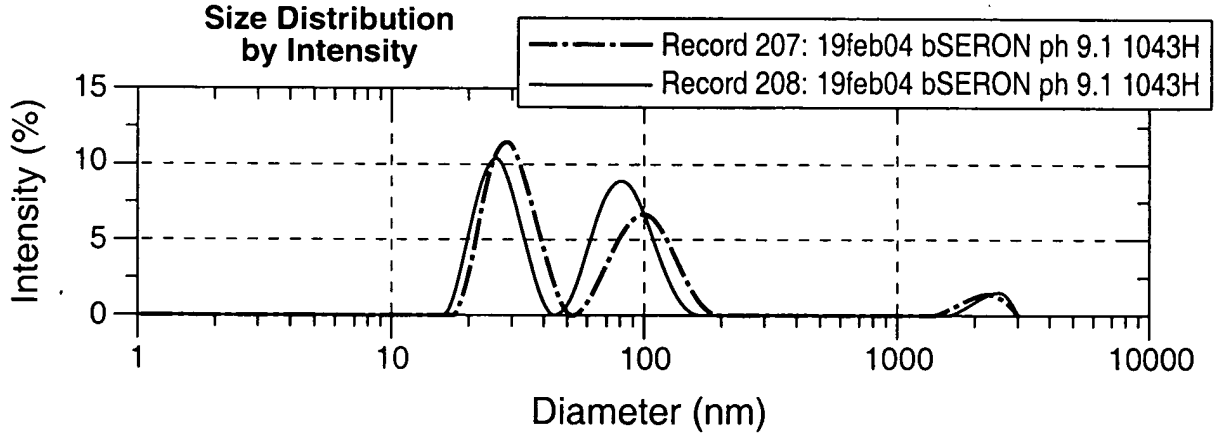


FIG._12B

Count Rate (Kcps): 49	Measurement Position (mm): 4.20
Measurement Duration(s): 140	Attenuation Index: 11

Z-Average Size (nm): 70.41	Peak 1 Mean: 8.44	% (Intensity): 38	Width: 1.842
Polydispersity Index: 0.385	Peak 2 Mean: 37.9	% (Intensity): 3	Width: 7.005
	Peak 3 Mean: 170.6	% (Intensity): 34	Width: 56.86

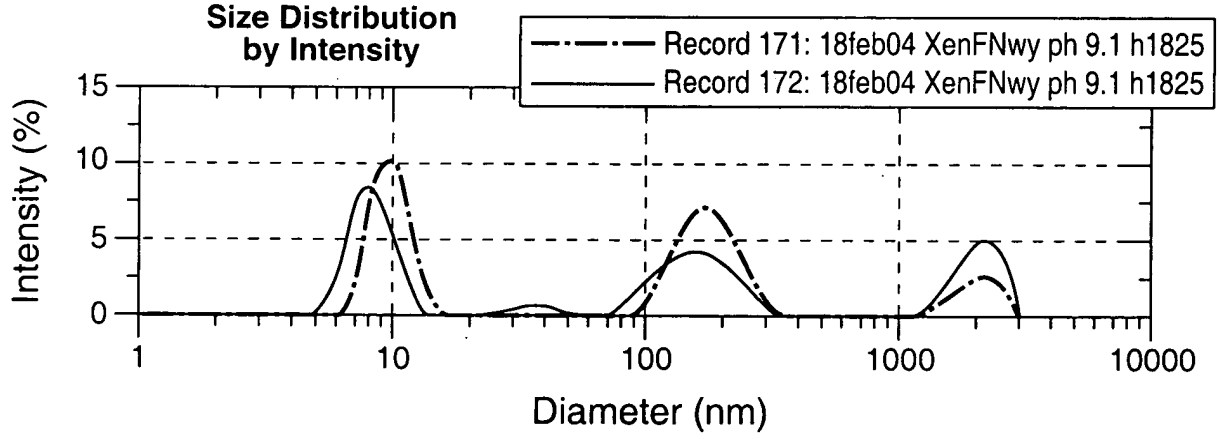


FIG._12C